DISCIPLINE: Enterprise Telecommunications (Voice)

Discipline Roadmap for: IP Telephony

DOMAIN: COMMUNICATION SERVICES

Current	2 Years	5 Years
Baseline Environment	**Tactical Deployment**	**Strategic Direction**

SIP (Session Initiation Protocol) ———————→

H.323

Market Watch

Shared ✓	**Agency** ✓

Retirement Targets

Mainstream Platforms (must be supported)

SIP (Session Initiation Protocol)

Containment Targets

H.323 ←

Emerging Platforms

Implications and Dependencies

IP Telephony is preferred transport protocol of the future. Migration will be dictated by cost efficiencies and feature enhancements

Roadmap Notes

- **Discipline Boundaries:**
  - Protocol for IP user agent communications.
- **Discipline Standards:**
  - The Session Initiation Protocol (SIP) is an Internet Engineering Task Force (IEIF) standard protocol for initiating an interactive user session that involves multimedia elements such as video, voice and chat. Like HTTP or SMTP, SIP works in the Application layer of the Open Systems Interconnection (OSI) communications model. The Application layer is the level responsible for ensuring that communication is possible. SIP can establish multimedia sessions or Internet telephony calls, and modify, or terminate them.
- **Migration Considerations:**
  - There is an existing base of H.323 that exists in South Carolina State Government. As this base becomes obsolete, it should be replaced with SIP.
- **Exception Considerations:**
  - H.323 is acceptable when needed for compatibility with other systems.
- **Miscellaneous Notes:**
  - none
- **Established Date:**
  - January 24, 2007
- **Date Last Reviewed:**
  - January 24, 2007
- **Next Review Date:**
  - July 2008